Homework 3 Thinking procedurally Unit 10 Computational thinking



Homework 3: Thinking procedurally

1. (a) Describe **three** features of modular programming. [6]

(b) List **four** benefits of using modular programming techniques. [4]

2. The following steps are followed when processing invoices for a batch of customer orders. Details such as description and price of each stock item are held on a Product file. Discounts are calculated depending on the total value of the order. Details of all sales are held on a Sales file. Customer details are held on a Customer file.

Open Product file, Customer file and Sales file initialise variables Read Sales file to find last invoice number for each order Read Customer file to get customer details print invoice number, customer details increment invoice number for each item on the order Input the item code, quantity look up description and price calculate price*quantity print line of order endfor calculate overall gross total calculate discount and net price print total discount and invoice total update Sales file endfor close files

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[Total 15 marks]